

Please replace paragraph number [00172] with the following rewritten paragraph:

--Applicants have made available to the public without restriction a deposit of at least 2500 seeds of corn *rmr11-1* with the American Type Culture Collection (ATCC), Rockville, MD 20852, which has been assigned ATCC number PTA-3962 and deposited on January 8, 2001.--

**In the Claims:**

Please amend claim 61 as follows:

61. (Amended) Corn seed genotypically designated *rmr1-2* having ATCC Accession Number PTA-3966.

Please amend claim 71 as follows:

71. (Amended) The tissue culture of regenerable cells of corn plant *rmr1-2*, wherein the tissue regenerates plants capable of expressing all the genetical, physiological and morphological characteristics of the corn plant genotypically designated *rmr1-2*, a sample of the seed of said corn plant *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Please amend claim 74 as follows:

74. (Amended) A corn plant regenerated from the tissue culture of claim 71, wherein said corn plant is capable of expressing all of the genetical, physiological and morphological characteristics of the corn plant genotypically designated *rmr1-2*, a sample of the seed of said corn plant designated *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Please amend claim 75 as follows: }

75. (Amended) A process of producing corn seed, comprising self pollinating a plant

plant, wherein said first or second corn plant is the corn plant *rmr1-2*, a sample of the seed of said corn plant *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Please amend claim 81 as follows:

81. (Amended) Corn seed designated genotypically designated *rmr2-1* having ATCC Accession Number PTA-3956.

Please amend claim 91 as follows:

91. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr2-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr2-1*, a sample of the seed of said corn plant *rmr2-1* having been deposited under ATCC Accession Number PTA-3956.

Please amend claim 94 as follows:

94. (Amended) A corn plant regenerated from the tissue culture of claim 91, wherein said corn plant is capable of expressing all of the genetical, physiological and morphological characteristics of the corn plant designated *rmr2-1*, a sample of the seed of said corn plant designated *rmr2-1* having been deposited under ATCC Accession Number PTA-3956.

Please amend claim 95 as follows:

95. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr2-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr2-1*, a sample of the seed of said corn plant *rmr2-1* having been deposited under ATCC Accession No. PTA-3956.

Please amend claim 101 as follows:

101. (Amended) Corn seed genotypically designated *rmr 7-1* having ATCC Accession Number PTA-3958.

Please amend claim 111 as follows:

111. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr 7-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr 7-1*, a sample of the seed of said corn plant *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Please amend claim 114 as follows:

114. (Amended) A corn plant regenerated from the tissue culture of claim 111, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr 7-1*, a sample of the seed of said corn plant designated *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Please amend claim 115 as follows:

115. (Amended) A process of producing corn seed, comprising self-pollinating a corn plant designated *rmr 7-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr 7-1*, a sample of the seed of said inbred corn plant *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Please amend claim 121 as follows:

121. (Amended) Corn seed genotypically designated *Mon 2-1* having ATCC Accession Number

Please amend claim 131 as follows:

131. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop2-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop2-1*, a sample of the seed of said corn plant *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Please amend claim 134 as follows:

134. (Amended) A corn plant regenerated from the tissue culture of claim 131, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop2-1*, a sample of the seed of said corn plant designated *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Please amend claim 135 as follows:

135. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop2-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop2-1*, a sample of the seed of said inbred corn plant *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Please amend claim 141 as follows:

141. (Amended) Corn seed designated genotypically designated *rmr 7-2* having ATCC Accession Number PTA-3959.

Please amend claim 151 as follows:

151. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop2-1*, wherein the tissue regenerates plants capable of expressing all the physiological and

morphological characteristics of the corn plant *rmr 7-2*, a sample of the seed of said corn plant *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Please amend claim 154 as follows:

154. (Amended) A corn plant regenerated from the tissue culture of claim 151, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr 7-2*, a sample of the seed of said corn plant designated *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Please amend claim 155 as follows: 1

155. (Amended) A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *rmr 7-2* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr 7-2*, a sample of the seed of said inbred corn plant *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Please amend claim 161 as follows:

161. (Amended) Corn seed designated genotypically designated *mop3-1* having ATCC Accession Number PTA-3829.

Please amend claim 171 as follows:

171. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *mop3-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *mop3-1*, a sample of the seed of said corn plant

Please amend claim 174 as follows:

174. (Amended) A corn plant regenerated from the tissue culture of claim 171, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *mop3-1*, a sample of the seed of said corn plant designated *mop3-1* having been deposited under ATCC Accession Number PTA-3829.

Please amend claim 175 as follows:

175. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *mop3-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *mop3-1*, a sample of the seed of said inbred corn *mop3-1* having been deposited under ATCC Accession Number PTA-3829.

Please amend claim 181 as follows:

181. (Amended) Corn seed designated genotypically designated *Mop1-1* having ATCC Accession Number PTA-3828.

Please amend claim 191 as follows:

191. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-1*, a sample of the seed of said corn plant *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Please amend claim 194 as follows:

194. (Amended) A corn plant regenerated from the tissue culture of claim 192, wherein said corn

corn plant designated *Mop1-1*, a sample of the seed of said corn plant designated *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Please amend claim 195 as follows:

195. (Amended) A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *Mop1-1* crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-1*, a sample of the seed of said inbred corn plant *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Please amend claim 201 as follows:

201. (Amended) Corn seed designated genotypically designated *Mop1-2EMS* having ATCC Accession Number PTA-3826.

Please amend claim 211 as follows:

211. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-2EMS*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-2EMS*, a sample of the seed of said corn plant *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Please amend claim 214 as follows:

214. (Amended) A corn plant regenerated from the tissue culture of claim 211, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-2EMS*, a sample of the seed of said corn plant designated *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Please amend claim 215 as follows:

215. (Amended) A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *Mop1-2EMS* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-2EMS*, a sample of the seed of said inbred corn plant *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Please amend claim 221 as follows:

221. (Amended) Corn seed genotypically designated *rmr6-1* having ATCC Accession Number PTA-3957.

Please amend claim 231 as follows:

231. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr6-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr6-1*, a sample of the seed of said corn plant *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Please amend claim 234 as follows:

234. (Amended) A corn plant regenerated from the tissue culture of claim 231, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr6-1*, a sample of the seed of said corn plant designated *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Please amend claim 235 as follows:

235. (Amended) A corn plant regenerated from the tissue culture of claim 231, wherein said corn plant is the corn plant *rmr6-1*.



a sample of the seed of said inbred corn plant *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Please amend claim 241 as follows:

241. (Amended) Corn seed genotypically designated *rmr11-1* having ATCC Accession Number PTA-3962.

Please amend claim 251 as follows:

251. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr11-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr11-1*, a sample of the seed of said corn plant *rmr11-1* having been deposited under ATCC Accession Number PTA-3962.

Please amend claim 254 as follows:

254. (Amended) A corn plant regenerated from the tissue culture of claim 251, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant genotypically designated *rmr11-1*, a sample of the seed of said corn plant designated *rmr11-1* having been deposited under ATCC Accession Number PTA-3962.

Please amend claim 255 as follows:

255. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr11-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr11-1*, a sample of the seed of said inbred corn plant *rmr11-1* having been deposited under ATCC Accession Number PTA

Please amend claim 261 as follows:

261. (Amended) Corn seed genotypically designated *rmr8-1* having ATCC Accession Number PTA-3960.

Please amend claim 271 as follows:

271. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr8-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr8-1*, a sample of the seed of said corn plant *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Please amend claim 274 as follows:

274. (Amended) A corn plant regenerated from the tissue culture of claim 271, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr8-1*, a sample of the seed of said corn plant designated *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Please amend claim 275 as follows:

275. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr8-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr8-1*, a sample of the seed of said inbred corn plant *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Please amend claim 281 as follows:

Please amend claim 291 as follows:

291. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-4*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-4*, a sample of the seed of said corn plant *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Please amend claim 294 as follows:

294. (Amended) A corn plant regenerated from the tissue culture of claim 291, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-4*, a sample of the seed of said corn plant designated *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Please amend claim 295 as follows:

295. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop1-4* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-4*, a sample of the seed of said inbred corn plant *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Please amend claim 301 as follows:

301. (Amended) Corn seed genotypically designated *Mop1-5* having ATCC Accession Number PTA-3964.

Please amend claim 311 as follows:

311. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-5*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-5*, a sample of the seed of said corn plant *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Please amend claim 314 as follows:

314. (Amended) A corn plant regenerated from the tissue culture of claim 311, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-5*, a sample of the seed of said corn plant designated *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Please amend claim 315 as follows:

315. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop1-5* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-5*, a sample of the seed of said inbred corn plant *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Please amend claim 321 as follows:

321. (Amended) Corn seed genotypically designated CC2343 having ATCC Accession Number PTA-3827.

Please amend claim 331 as follows:

morphological characteristics of the corn plant *CC2343*, a sample of the seed of said corn plant *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Please amend claim 334 as follows:

334. (Amended) A corn plant regenerated from the tissue culture of claim 331, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *CC2343*, a sample of the seed of said corn plant designated *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Please amend claim 335 as follows:

335. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *CC2343* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *CC2343*, a sample of the seed of said inbred corn plant *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Please amend claim 341 as follows:

341. (Amended) Corn seed genotypically designated *rmr1-1* having ATCC Accession Number PTA-3965.

Please amend claim 351 as follows:

351. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr1-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr1-1*, a sample of the seed of said corn plant

Please amend claim 354 as follows:

354. (Amended) A corn plant regenerated from the tissue culture of claim 351, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr1-1*, a sample of the seed of said corn plant designated *rmr1-1* having been deposited under ATCC Accession Number PTA-3965.

Please amend claim 355 as follows:

355. (Amended) A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr1-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr1-1*, a sample of the seed of said inbred corn plant *rmr1-1* having been deposited under ATCC Accession Number PTA-3965.

Please amend claim 361 as follows:

361. (Amended) Corn seed genotypically designated *rmr9-1* having ATCC Accession Number PTA-3961.

Please amend claim 371 as follows:

371. (Amended) The tissue culture of regenerable cells of corn plant genotypically designated *rmr9-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr9-1*, a sample of the seed of said corn plant *rmr9-1* having been deposited under ATCC Accession Number PTA-3961.

Please amend claim 374 as follows: